Viet Nguyen's Blog: RHQ Storage node baselines

Posted by Viet Nguyen May 1, 2014

Test Setup

Storage Node VM:

- 2 Virtual CPUs - Westmere E56xx/L56xx/X56xx (Nehalem-C) 2.4MHz
- 15GB HD
- 4GB RAM

JON 3.2.GA build

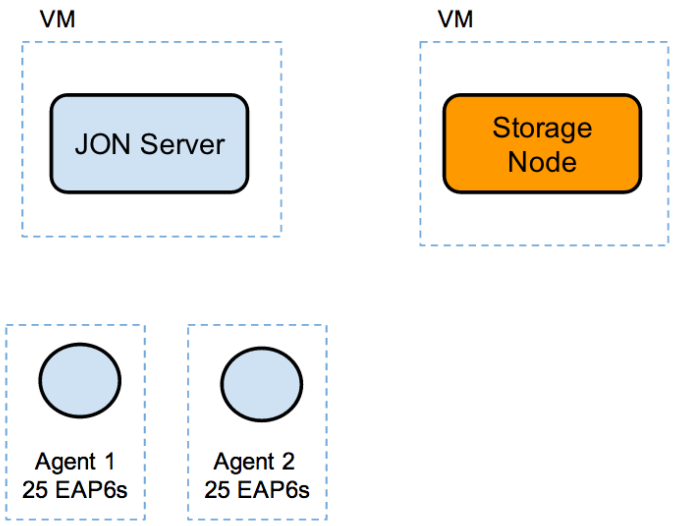
2 Agents x 25 EAP 6's

Metric tweaks

update rhq_measurement_def set default_on=true, default_interval=30000 where default_interval<=2400000; update rhq_me

Topology

Storage node runs on its own VM



Metric counts

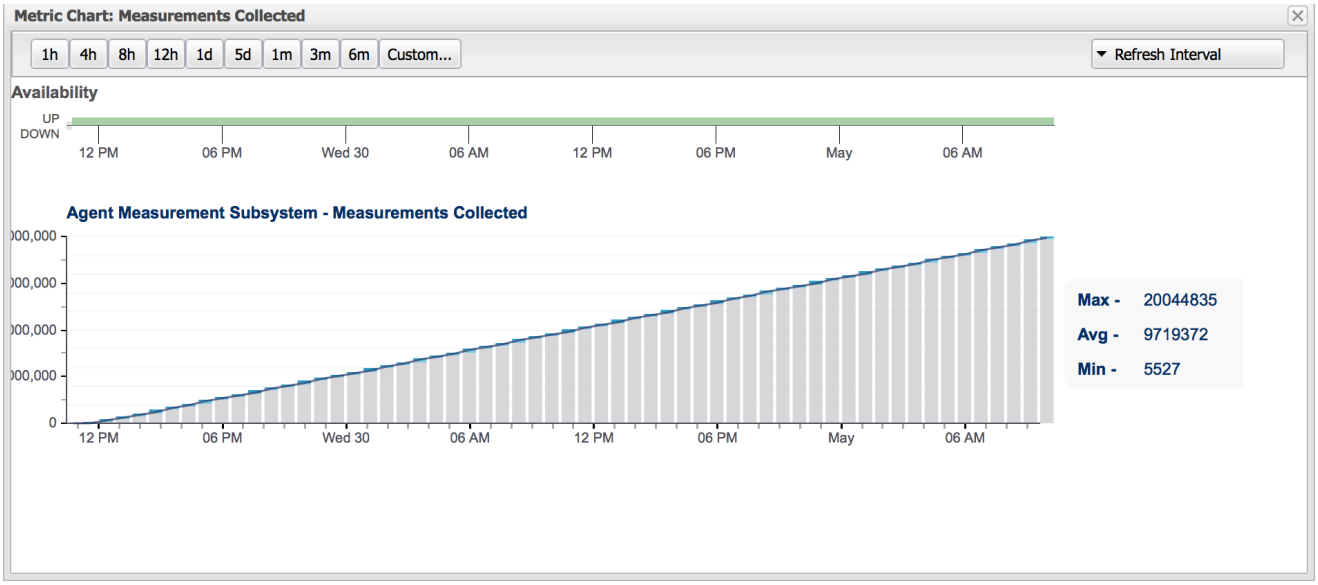
Agent	Committed Res	Total metrics collected in 48hrs	Avg Metrics/min	Calculated metrics/hr (avg/ min x 60)
one	2,959	20,044,835	6,958	417,480

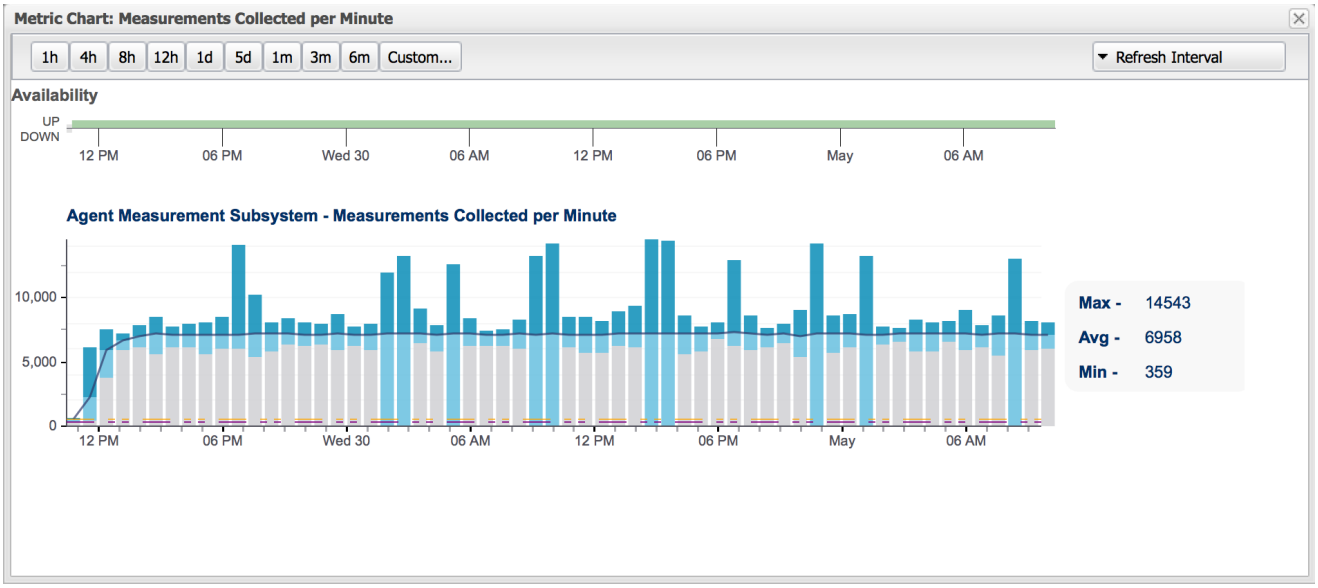
two	2,960	20,342,883	7,076	424,560
			Total	**842,040**

Storage Node Total Disk usage *
Day 1: 1.6GB
Day 2: 0.8GB
* I obtained these values by taking the differences between the start and end of day of root disk's Free Space metric (Platform -> File Systems -> /)

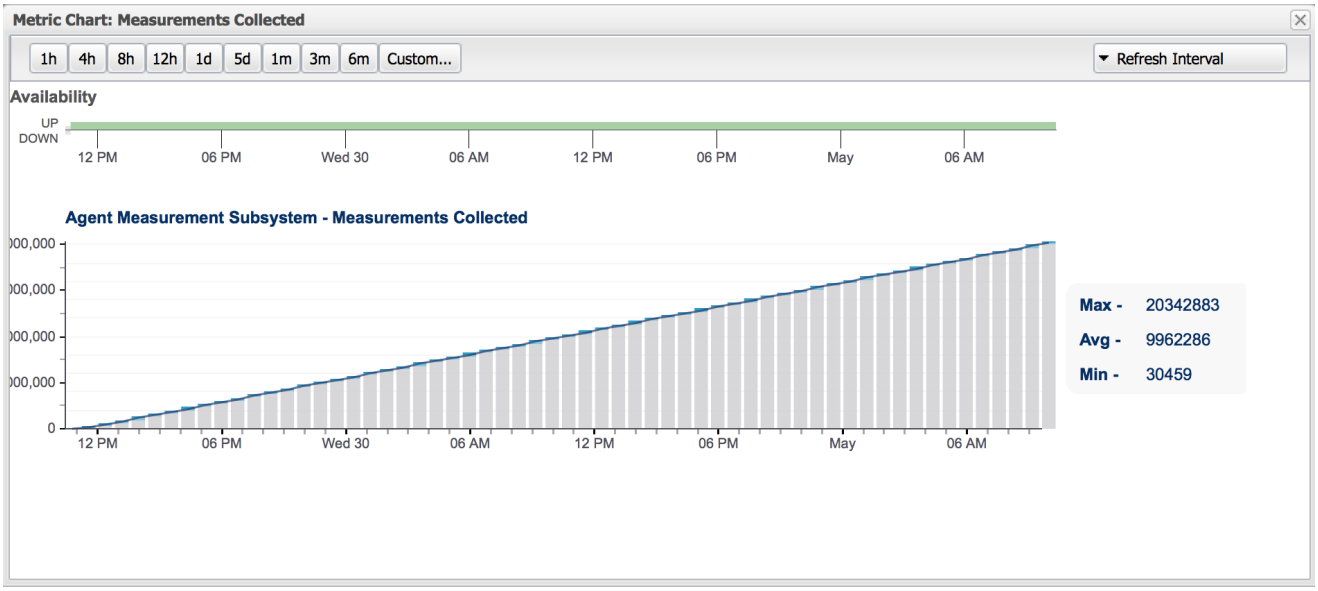
The following charts show various data points for 48 hour period

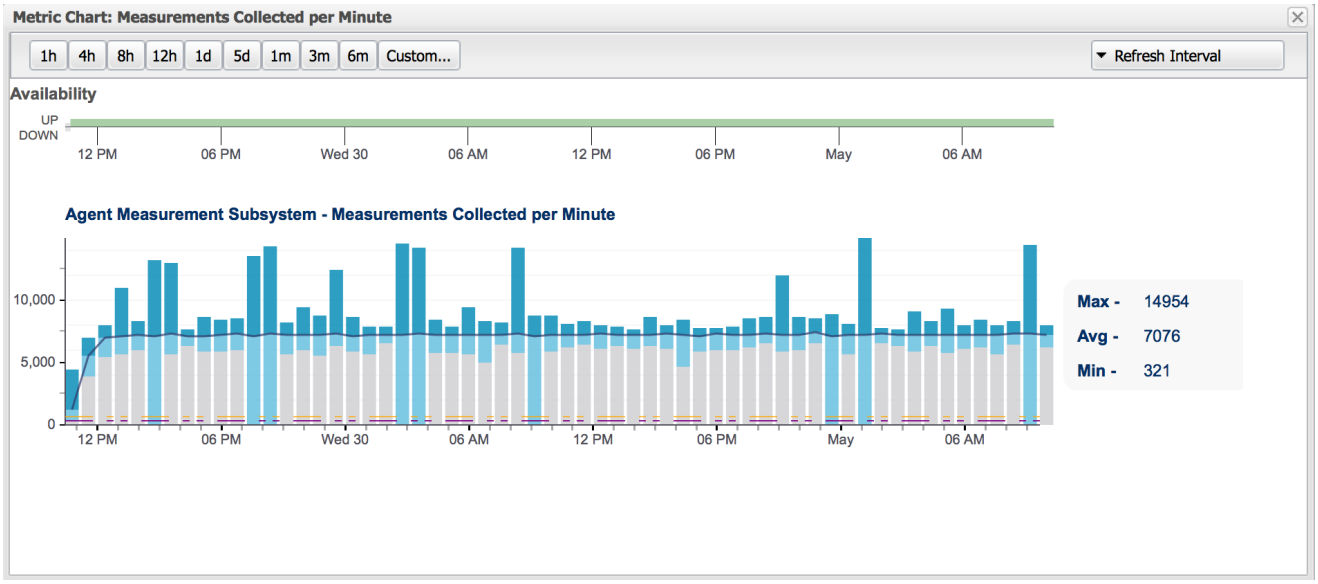
Agent 1



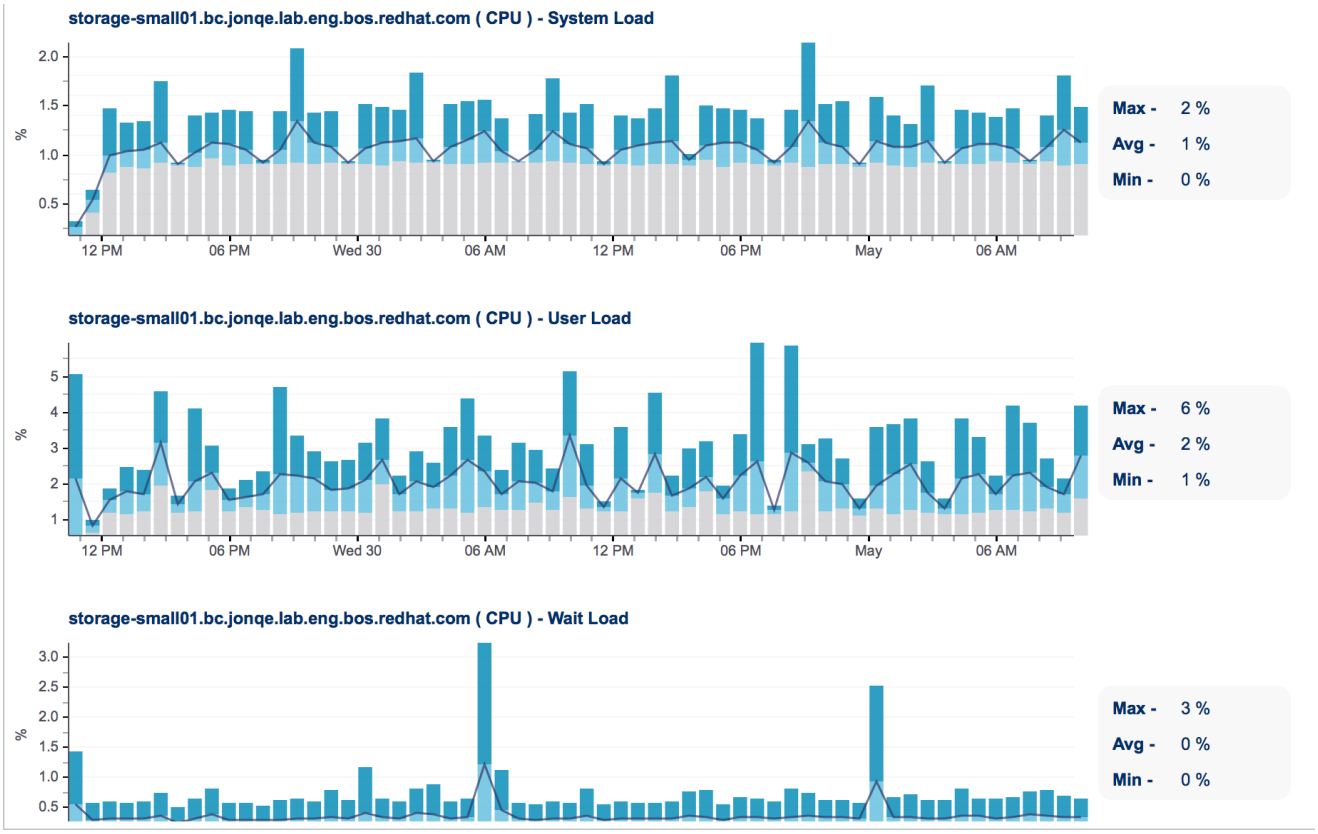

Metric Chart: Measurements Collected per Minute
1h 4h 8h 12h 1d 5d 1m 3m 6m Custom...
Refresh Interval
Availability
UP
DOWN
12 PM 06 PM Wed 30 06 AM 12 PM 06 PM May 06 AM
Agent Measurement Subsystem - Measurements Collected per Minute
10,000
5,000
0
12 PM 06 PM Wed 30 06 AM 12 PM 06 PM May 06 AM
Max - 14543
Avg - 6958
Min - 359

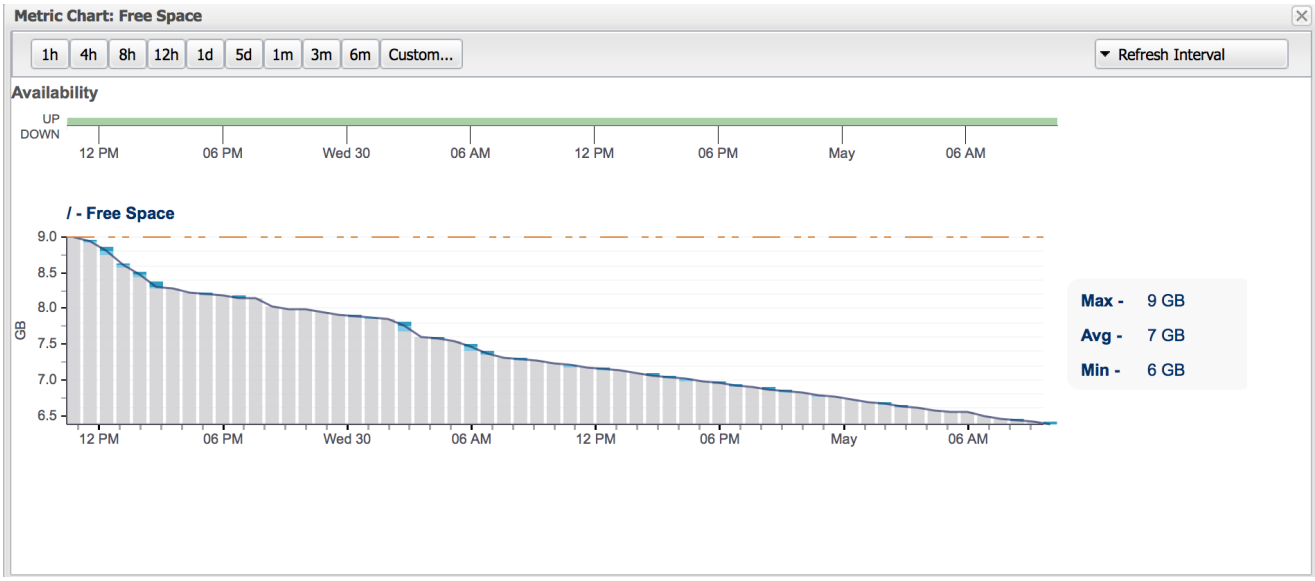
Agent 2


Metric Chart: Measurements Collected
1h 4h 8h 12h 1d 5d 1m 3m 6m Custom...
Refresh Interval
Availability
UP
DOWN
12 PM 06 PM Wed 30 06 AM 12 PM 06 PM May 06 AM
Agent Measurement Subsystem - Measurements Collected
0
12 PM 06 PM Wed 30 06 AM 12 PM 06 PM May 06 AM
Max - 20342883
Avg - 9962286
Min - 30459

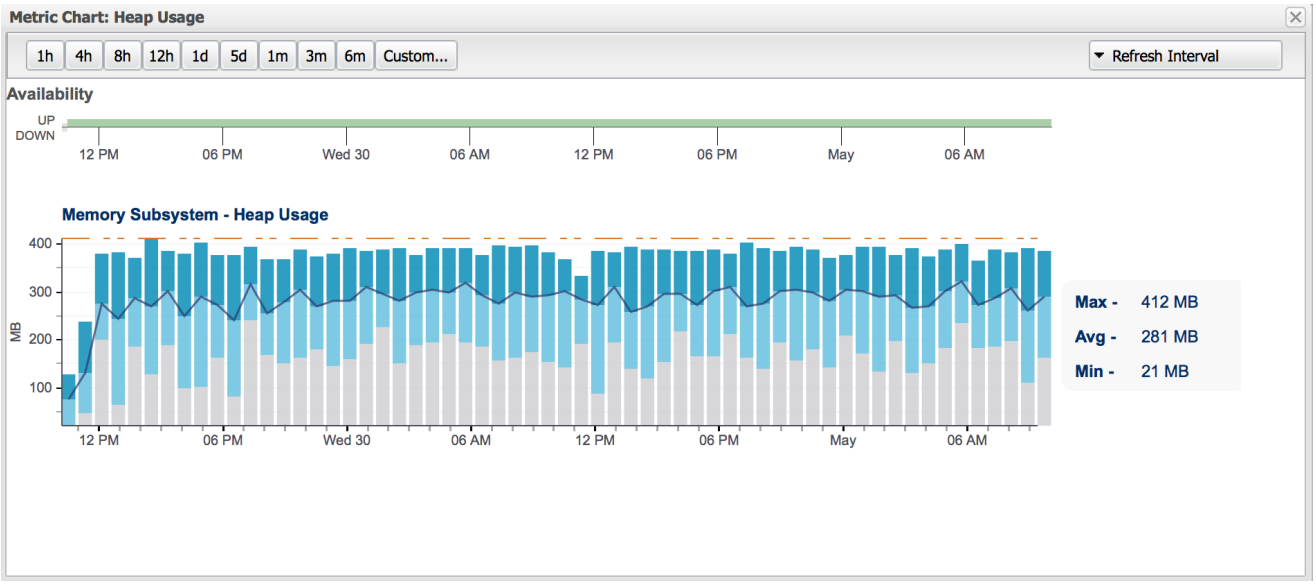


Storage Node

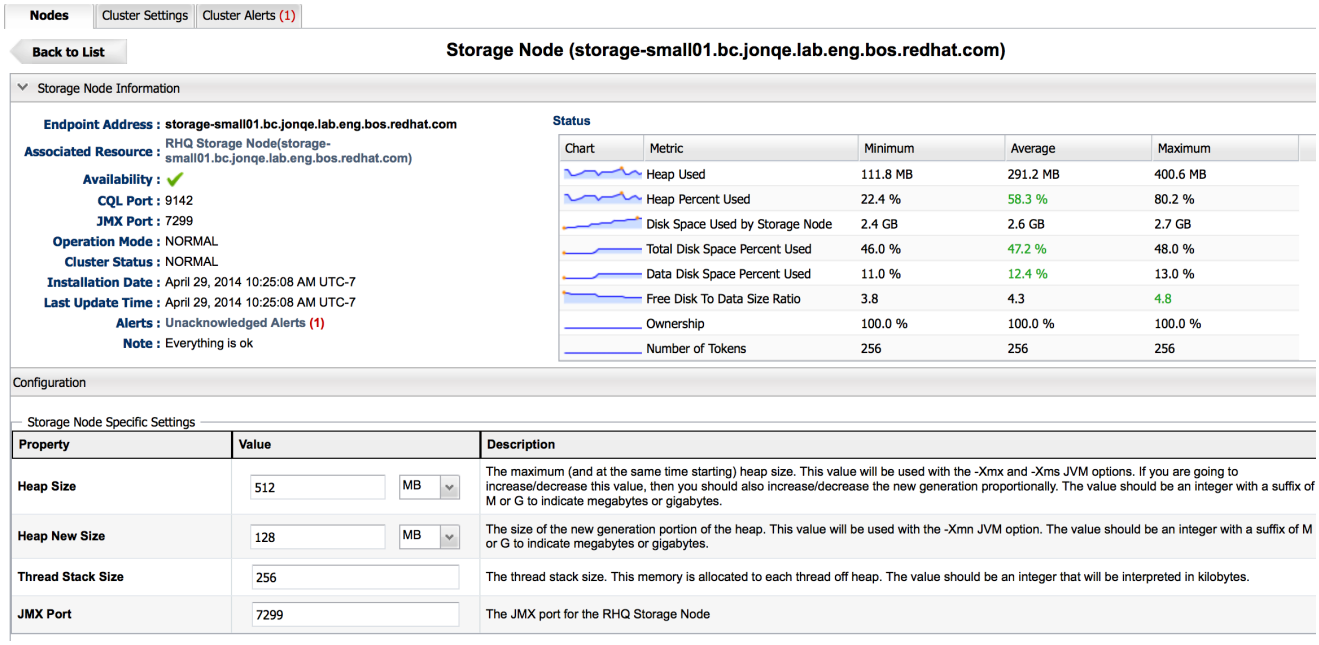




Cassandra JVM



storage node summary



12 Views

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